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1. Karger Website

www.karger.com is your connection to scholarly biomedical contents:

- More than a decade of experience connecting clients electronically to high-quality medical content
- Complete journal and book program since 1998
- More than a century of biomedical journal articles available through Karger’s digital archives

1.1 Homepage

Offering a mix of featured new contents and services as well as special links and shortcuts, the homepage is easy to navigate and serves as an ideal starting point to explore the website.

The navigation on top of the page with its drop-down menus remains the same throughout the website.
2. Journals

Karger's list of approximately 80 highly respected journal titles spans the entire spectrum of biomedical specialties. All active journals are listed at www.karger.com/journals. For discontinued journals and title changes please see "Inactive Journals" in the navigation to the right.

2.1 Journal Home

Features:

- Featured Journal News and Special Features such as free Editor’s Choice articles
- Editorial Board, Journal Contacts and Aims & Scope and other journal-related information
- Guidelines for Authors, link to online submission website and information on self-archiving, grants and more
- Key congress announcements and links to affiliated societies (when applicable)
- Direct access to current contents as well as to complete list of back and archive volumes via “Contents: all years” drop-down menu
- “Top 10”, the journal’s most popular articles during the past month
- Easy access to library recommendation forms, alerts, free online sample issues and other special features
2.2 Journal Contents Overview per Year

Each journal features:

– A detailed issue overview page sorted by date and volume
– Access to all issues: online first, current issues, back volumes (from 1998) and journal archive issues (from first year of publication through 1997)

Most Karger articles are available ahead-of-print on the website. For details on Issue in Progress or fully citable and indexed Online First articles, see 2.6.

ejournal Archive content: all issues ever published of an active journal as retro-digitized, fully indexed PDFs, based on the scanned print original. Find more information here: www.karger.com/archivecollection

2.3 Journal Issue: Table of Contents

Issue Tables of Contents are linked to the HTML full text and PDF or, for non-subscribers respectively, to the free article abstract. Details include full citations as well as a CCC Rights link for instant content re-use permission requests.

2.4 Journal Fulltext Article
2.4 Journal Fulltext Article

Note: Pay-per-view option is shown automatically (together with the login for subscribers) whenever content is requested for which no subscription can be detected.

– Internal links to locate specific article sections quickly
– Zoom function to enlarge tables and figures
– PubMed ID with a link to the article in PubMed
– Citation Download enabling a text file download or easy access to EndNote citation manager software
– CCC Rights link for instant content re-use permission requests
– Related Articles: links to Karger articles with a high content affinity
2.4 Journal Fulltext Article (continued)

- References include links to external resources (PubMed/Medline, CrossRef) providing immediate access to the original sources

- Author contact information

- Additional article details including the Published Online date stamp

OpenURL/SFX

As institutional customer: add your OpenURL link resolver Logo and Link (such as SFX from ExLibris) which help clients access source material available from the library by identifying online or physical rights and automatically linking to the source work.

All Karger publications are OpenURL-supported.
Base URL: www.karger.com

Both journals and books are OpenURL sources as well as targets.
Clinical Implications of Non-A-Type NPM1 and FLT3 Mutations in Patients with Normal Karyotype Acute Myeloid Leukemia

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Departments of ¹Laboratory Medicine and ²Internal Medicine, University of Ulsan College of Medicine, Aoun Medical Center, and ³Department of Laboratory Medicine, Yonsei University College of Medicine, Seoul, South Korea.

Key Words
Acute myeloid leukemia - FLT3 - Nucleophosmin - Progression

Abstract
Mutations in the nucleophosmin (NPM1) and fms-like tyrosine kinase-3 (FLT3) genes are the most commonly observed mutations in patients with normal karyotype acute myeloid leukemia (AML-NK). We analyzed the prognostic effects and interactions of these mutations in 201 AML-NK patients: NPM1 and FLT3 mutations were found in 58.3% and 47.4% of patients, respectively. NPM1 mutations, especially in patients without FLT3 mutations, were associated with a favorable outcome. However, FLT3 mutations did not show significant effects in patients with A-type NPM1 mutations. FLT3 mutations were associated with a significantly worse prognosis in patients with non-A-type NPM1 mutations. The prognosis of patients with non-A-type NPM1 and FLT3 mutations was worse than that of patients with normal NPM1 and FLT3 mutations.

Introduction
New molecular markers have been used to determine the prognosis of patients with acute myeloid leukemia (AML), especially patients with normal karyotype AML (AML-NK). These patients constitute approximately 40% of patients with AML and are regarded as an intermediate-risk group [1, 2]. In addition, these patients harbor specific mutations in genes that serve as prognostic markers for survival outcomes after adequate therapy [1, 2]. Prognostically important mutations in patients with AML-NK include mutations in the nucleophosmin (NPM1), fms-like tyrosine kinase-3 (FLT3) and CCAAT/enhancer binding protein α (CEBPA) genes [3]. For example, NPM1 mutations (NPM1mut) are observed in 50–60% of patients with AML-NK and are included in the 2008 World Health Organization classification of myeloid neoplasms as provisional entities [3]. In contrast, FLT3 mutations (FLT3mut) are not included as defining criteria for distinct entities because they often accompany other genetic abnormalities. However, FLT3 internal tandem duplications (ITDs) are the second most common mutation in patients with AML-NK [3–5]. NPM1mut are associated with a better patient prognosis, whereas FLT3-ITD mutations (FLT3-ITDmut) are associated with shorter disease-free survival and overall survival (OS) [4, 5]. Approximately
2.6 Online First

As a rule, Karger journal articles are available on the website ahead of print:

– Issue in Progress: fully referenced articles are continuously added to a specific issue

– Online First: articles are published online before they are assigned to an issue. Thanks to their DOI number they are fully citable

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2.7 Supplementary Material

When available, supplementary material, such as videos, is posted for online users (when applicable).
3. Books

Karger books cover a broad range of biomedical topics and most of those published since 1997 are available as eBooks.

– Book News: Previews upcoming and quarterly book releases
– Multimedia: lists all CD-ROMs, audio and video material available separately
– Complete Title Index: current serial and non-serial program, with a separate option to show all book publications since 1890
– Non-Serial Books: lists only non-serial books but includes hard-cover reprints and special or supplement journal issues

3.1 Book Series Index

– Book Series Index: Lists all active book series
– Discontinued Book Series: lists all Karger book series which have changed name, merged or have been discontinued

3.2 Book Series Home

– Book Series Home: A complete list of all volumes published within a series
– Aims and Scope: Further information and bibliographic data for each series
3.3 Book/Volume Home

- Indexing and key bibliographic information, featured free contents or reviews where available and tips for further reading on related topics
- One click to contents (Online Access/Table of Contents) and pricing/ordering information
- Many book titles are indexed in PubMed/Medline and other platforms

3.4 Book/Volume Table of Contents

- Access to chapter/article PDFs, for non-subscribers to a free abstract page which includes Pay-per-View option
- Access to supplementary material if available
- CCC Rights link for instant content re-use permission requests
- Some Karger eBooks are also available as interactive Karger Active Books, letting you flip pages, zoom and create bookmarks or highlight text. Supplementary material such as videos are embedded in Active Books – no separate download necessary.

Coming soon:
New cover-to-cover eBooks formats for ePub, Kindle and mobile devices, for a prototype see www.karger.com/Book/Toc/244116
Skull Base Anatomy and CSF Rhinorrhea

Allen Lam - Eric Holbrook
Massachusetts Eye and Ear Infirmary, Boston, Mass., USA

Abstract

The skull base is an intricate interface between the cranium and face allowing the passageway of vital structures. Anatomic conceptualization forms the platform for surgical approaches and solutions to skull base pathology. Understanding embryogenesis provides further depth into the pathophysiology of congenital defects. This chapter aims to highlight skull base anatomy and embryology along with cerebrospinal fluid physiology and diagnostic evaluation of cerebrospinal fluid leaks.

Skull Base Anatomy

The skull base defines the inferior aspect of the skull that divides the neurocranial and viscerocranial structures of the face and neck. Fluid travel through the skull base via foramina. Given the importance of these structures, in-depth anaplasering in this space. The skull base is divided into 3 and posterior.

References

10. Lam · Holbrook
4. Open Access

Karger has served the academic community by giving authors the option to publish their work as Open Access since 2007.

As of March 2013, Karger’s journal program includes 16 fully Open Access journals. In addition, authors can publish an Open Access article in any of Karger’s top-quality journals by selecting Author’s Choice, a hybrid Open Access option. One of the benefits of publishing with Karger Open Access is that authors and institutions can be sure of fulfilling the requirements of all funding bodies.

Open Access articles are free for users around the world to read on www.karger.com, and to download, print and share online.
5. Subject Guide

– Alphabetical list of biomedical specialties and subspecialities as well as related scientific areas

5.1 Subject Guide: Biochemistry

– Featured Publications: showcases the essential journals and important new publications in the field

– New: constantly updated list of new releases, spanning five years

– Journals: key journals in the field

– Book Series

– Classics: standard reference books and other important titles

– Related: journals and books of related interest

– All: comprehensive list of all titles ever published by Karger in this field since 1890

– Recommended Links: if available, a collection of links to societies, websites or organizations in the field
6. Search

Using modified Google Search Appliances, the Karger search function allows search across the entire website (6.1) and its contents as well as across the entire contents of one specific journal (6.2), journal issue (6.2), book series (6.3) or individual book title (6.3).

6.4 Advanced Search

– Accessible from anywhere on the website

– Offering various settings and restrictions to further enhance search results
7. Resources, Services and Company

Practical information about the company as well as services, terms and conditions or policies, collected according to interest groups such as librarians.

7.1 Resources for Librarians

Topics covered include amongst others:
- Special subscription models such as Collections
- Reference Linking, CrossRef, Open URL
- COUNTER and SUSHI

See also Resources for Authors, Booksellers, Students, Advertisers and the pharmaceutical Industry

7.2 Services

Find detailed inter-linked information on practical issues such as
- Subscriptions and book orders
- Pay per View for articles and entire books, PDF delivery and reprint services
- General terms and conditions, site licenses
- Information downloads include price lists, MARC records, media data and rate sheets
- Information services, i.e. Alert notifications of book releases, new journal issues and the online publication of articles as well as RSS feeds
- Customer Service and Press Service

7.3 Company

- Company portrait and history
- Contact information, including conference/book fair schedule, directory, worldwide network of agencies and distributors, Press Service and contact form
8. Institutional Customers/Librarians

Karger publications are among the holdings of medical institutions worldwide; Karger customized packages and complete collections serve the information needs of major academic consortia around the globe.

Over many decades, Karger has been able to familiarize themselves with the requirements of academic institutions and continues to make extensive efforts to meet the changing needs and requirements of our scholarly users.

Special rates and conditions as well as customized content are available to institutional customers.

www.karger.com/Resources/Librarians offers specialized services for librarians to manage their subscriptions, monitor usage and access content.

8.1 Institutional Customers: Your Subscriptions

– Featured on and accessible from every page

– Offers an overview of all subscribed journals, book series, non-series titles and collections with subscription years

– Directly linked to content
8.2 Institutional Customers: Access control

– IP authentication, proxy server or User ID and password

Please contact Customer Service for details.

Subscribed Contents is clearly marked (green ticks) on all levels, from journal home and contents overview per year to issue table of contents and articles.

8.3 Shibboleth and OpenAthens

Karger supports both Shibboleth and OpenAthens. Online journal administrators/librarians are asked to contact service@karger.com to establish the connection.
8.4 Administrator’s Login

This special login requires prior recognition via IP range. The Admin password can be requested from service@karger.com.

8.5 Administrator’s Page

Offers the following options to administrators:

– Editing salutation, uploading Logo
– Controlling IP address ranges
– Downloading COUNTER statistics
8.6 Karger Special Collections

Karger Special Collections cover the full spectrum of human medicine in individual collections priced to fit the budgetary and information needs of academic institutions. In addition, specialized collections for hospitals and pharmaceutical companies are also available.

Karger Journals Collection
www.karger.com/journalscollection
70+ subscription journal titles online from 1998 to current year of publication in one collection

Journal Archive Collection
www.karger.com/archivecollection
64 Karger journals from first year of publication to 1997 in 5 subject packages online; more than 180'000 articles in one collection

eBooks Serials Collection
www.karger.com/ebooks-serials-collection
40 Karger eBooks series in annual collections (October–September) with a guaranteed minimum of 40 new volumes

eBooks Non-Serials Collection 1997–2013
www.karger.com/ebooks-nonserials-collection
Collection of non-serial Karger eBook titles since 1997 offering insight into special topics

Hospital Collection
www.karger.com/hospitalcollection
19 Karger eJournal titles and 10 eBook series of particular interest to medical centers and hospitals

Pharma Collection
www.karger.com/pharmacollection
Demand-driven packages of eJournals and eBooks for research facilities and pharmaceutical corporations
8.7 Subject Packages

Tailored to individual information needs of customers specializing in particular fields of medical interest, subject packages comprise all Karger journals, serial books and/or non-serial books in a special field of interest including back-files at preferential package rates. Currently available:

- Nutrition Package
  www.karger.com/nutrition-package

- Oncology Package
  www.karger.com/oncology-package

- Ophthalmology Package
  www.karger.com/ophthalmology-package

- Pediatrics Package
  www.karger.com/pediatrics-package

Packages in other medical fields are available upon request.
9. Personal Customers

In order to benefit from the following functions and tools, site visitors must register.

9.1 Registration/My Karger

After creating his/her User ID and password, the customer is asked to provide at least name and e-mail address to be registered with Karger.
9.2 Personal Customers/My Karger Login

Returning customers who already have registered as well as subscribers to online content and users of the pay-per-view service can login using their existing ID/password.

9.3 My Karger Welcome Page

- Changing password and address information including e-mail address
- Access to the special services and tools.
  For details see following pages:
  My Alerts
  My Selection
  My Subscription
  My Orders
  Pay-per-View
9.4 My Alerts

- Select settings governing frequency, format and related criteria

- Choose Alerts by field of interest or from the journals and book series list

- Mark whether you wish to receive alerts for journal issue releases or alerts for new online articles
9.5 My Selection
Saves all selected items (articles, chapters)

9.6 How to build a selection list
Tick the respective boxes on the right on Table of Contents or abstract/article fulltext level. My Selection lets you know how many items you have selected and allows you to save/store your session selections if you are registered and logged in.
9.7 Subscriptions vs. Your Subscriptions

The system allows double logins, i.e. users can be institutional customers through their library (IP recognition) and at the same time private users logged in under their personal ID and password.

While Your Subscriptions lists only material accessible under the institutional recognition, the personal Subscription list encompasses those access rights uniquely open to the logged in personal customer plus those open to him/her thanks to the institutional rights.
9.8 My Orders

Under My Orders all current and expired Pay-per-View purchases are listed with full details as to price, transaction reference number, expiry date and link.
10.1 Pay per View/Online Book Access

Access to journal and book articles outside of a subscription, for personal use only. Registration and login required.

Options Overview:

- Direct, one-time payment at full rate (10.2)
  Access to single article as soon as payment transaction is completed
- Payment from account at reduced special rate (10.4)
  Account (i.e. registration, validation and a downpayment) required and sufficient account balance
- Payment into account (10.3)
  Payment to open account and for account refills

10.2 Direct one-time Payment

Payment deducted from account
Instant access to selected article

10.3 Payment into account

New Pay-per-View customer need to register

John Smith
10.2 Pay-per-View: Direct One-Time Payment

- For Online Book Access (personal, for 24 months) and access to single articles/book chapters (personal, 48 hours) at full price
- Includes right to print and download/save
- Article opens immediately upon conclusion of payment transaction
- Receipt/confirmation e-mail includes full article reference, price and transaction number as well as a link back to the article “Book Table of Contents”
10.3 Pay-per-View: Payment into Account

To open an account a downpayment of USD 150 is required. The account can be refilled any time by adding USD 150. The new balance is displayed immediately and the customer receives a confirmation message with details documenting the transaction.

10.4 Payment from Account

As long as the balance of the account allows, individual book and journal articles can be charged to the account at the greatly reduced special rate.
11. Key Partners for Maximum Discoverability

Karger publications can be found at all search levels on the Internet.

Content is indexed by key partners and often syndicated to other online platforms such as medical or consumer databases – so users can find Karger throughout the Web.

Major partners include SCOPUS and Thomson Reuters ISI Web of Knowledge and many more.

11.1 Medline/PubMed

Nearly all Karger journals and most book series are listed in PubMed/Medline.

Moreover, Karger staff stays in frequent contact with PubMed to support our authors and ensure that citations are timely and correct.

PubMed LinkOut: LinkOut functionality brings users quickly from PubMed to Karger full text.
11.2 Google

Google harvests data directly from Karger. Karger also provides fully tagged fulltext metadata for deep indexing in Google.

Google Scholar: Karger fulltext content is discoverable in this sophisticated search tool targeted toward scholarly researchers.

Google Books: Karger is a long-standing partner in Google’s massive project, Google Book Search. Karger book content can be discovered, accessed and purchased via the Google Book Search interface.

11.3 Internet Searches

Karger content can also be found in Bing, Yahoo and other search engines.

11.4 Key Partners

ePartnerships with important industry databases and service providers such as PubMed, CrossRef and ExLibris facilitate and maximize the linking of top-quality medical content.
12. Metadata Formats, Data Distribution, Records Management

- Metadata formats: MARC, ONIX, Excel, and Text
- Karger distributes book and journal data to all major Abstracting and Indexing databases: Medline, CAS, Current Contents, Reference Update, Scopus, Biological Abstracts, EMBASE/Excerpta Medica, Science Citations Index and more than 40 abstracting and indexing databases and search services.
- Library records management: new releases downloads, titles registered in the OCLC’s WorldCat for loading on an OPAC.

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**XML Format: PubMed**

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**XML Format: ONIX**

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**Binary Data**

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**XML Format: ONIX**

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**Binary Data**

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MARC 21

020$a123623954
```

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**Bibliographic Data**

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020$a123623954
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Your Benefits from Karger

– More than 120 years of experience in medical publishing
– Highest quality in production and peer-reviewed content
– On a single platform only: all Karger eJournals, Karger eBooks, eArchives, Collections and Packages
– Navigation through entire contents at www.karger.com: easy search and access options
– Unlimited simultaneous access
– Counter-compliant usage statistics
– Easy access via IP range or User ID/PW
– Simultaneous log-in through institution and My Karger possible
– Open URL/SFX link resolver support
– Karger content can be downloaded freely without DRM enforcement
– MARC records and bibliographic data for cataloguing available
– High visibility in all standard discovery tools, direct full-text access from Medline/PubMed and Google
– Flexible and customized service and solutions
– Special offers for academic institutions